

Lake Kickapoo Dam and Lake Kickapoo

OWNER

City of Wichita Falls.

ENGINEER (Design)

F. M. Rugeley.
A. J. Gates.

LOCATION

On the North Fork Little Wichita River in Archer County, 10 miles northwest of Archer City.

DRAINAGE AREA

275 square miles.

DAM

Type	Earthfill
Length including spillway	8,200 ft
Maximum height	62 ft
Top width	16 ft
Top elevation	Two elevations (see plans)

SPILLWAY

Type	Concrete ogee
Control	None
Elevation	1,045.0 ft above msl
Crest length	483± ft

OUTLET WORKS

Type	Tower and two 4 by 5 ft concrete conduits
Control	Sluice gate
Invert of outlets	1,000.92 ft above msl
Purpose	1 conduit for water supply 1 conduit for stream flow control

AUTHORIZATION

Permit No. 1363 (Application No. 1456), September 16, 1944, authorized construction of a dam and annual diversion of 40,000 acre-feet of water.

RESERVOIR DATA (From area-capacity curve by design engineers)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	1,062.0 and 1,059.0	221,000	—
Maximum design flood stage	1,060.0	221,000	9,500
Crest of spillway	1,045.0	106,000	6,200
Invert of outlets	1,000.92	0	0

GENERAL

Construction started	January 1945
Dam completed	December 1945
Impoundment of water began	February 1, 1946
General contractor	Miles Construction Co.
Estimated cost	\$3,500,000

